

NONCOAL
MR Form 3
(Revised 1985)

Dave Wern
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DIVISION OF
OIL, GAS & MINING

ANNUAL OPERATIONS AND PROGRESS REPORT

1985

(This report must be submitted to the Division by March 31, 1986.)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203
(801) 538-5340

OPERATOR: Chevron Resources MINE NAME: American Gilsonite Co.

ADDRESS: Bonanza Mine Site
Bonanza, Utah 84008

PERMIT NUMBER AND DATE OF PERMIT: ACT/047/010 2/28/85

REPRESENTATIVE: Bruce Gilbert

SECTION(S): See Attached TOWNSHIP(S): See Attached RANGE(S): See Attached

MINERAL(S) MINED: Gilsonite®

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

<u>Disturbance</u>	<u>Acreage</u>
Pit	<u>-0-</u>
Roads	<u>-0-</u>
Facilities	<u>-0-</u>
Waste Dumps	<u>-0-</u>
Other	<u>-0-</u>

(b) Tabulation of acreage affected to date (by years).

<u>Date by Year</u>	<u>Acreage (Total</u>
1975	-
1976	-
1977	-
1978	-
1979	-
1980	-
1981	-
1982	-
1983	<u>See mine plan</u>
1984	1
1985	0

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

SOIL TABULATION CHART

Area Affected (in mining sequence) (If more space is needed, please attach.)	Area			
	1	2	3	etc.
Acreage of Area	None			
Depth of Topsoil Removal (inches)	"			
Depth of Topsoil Replacement (inches)*	"			
Estimate of Topsoil Volume Salvaged (yd ³ or ac ft)	"			
Volume Actually Salvaged (yd ³ or ac ft)	"			
Volume Required for Reclamation (yd ³ or ac ft)	"			
Surplus or Deficit Volume (yd ³ or ac ft)	"			
Storage Status (short- or long-term)	"			
Storage Location	"			
Area Where Soil Has Been Used (if not stored)	"			
Running Total (all stockpiles) (yd ³ or ac ft)	"			
Short-term	"			
Long-term	"			

*Of previously stripped area recently reclaimed.

(d) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
None		

(e) Tabulation of quantity of commodity mined.

	<u>Commodity</u>	<u>Tonnage</u>
(Mined)	Gilsonite ®	39,095
(Milled)	Gilsonite ®	39,095

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to:

1. Buildings and support facilities.
Solar Pad bunkers have been rebuilt

2. Roads.
None

3. Diversion ditches, collector ditches, interceptor ditches, etc.
None

4. Culverts.
None

5. Sediment ponds, containment ponds.
1 sediment pond was constructed at site E-31

1 holding pond was constructed at site B-16

6. Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).

None

7. Topsoil stockpiles.

None

(g) Description of any environmental problem areas with a proposed plan for mitigation and illustration on a map, including, but not limited to:

1. Pit stability problems.

N/A

2. Subsidence.

N/A

3. Accidental water discharge, dam failure, etc.

None

4. Slumping, sliding or erosion.

None

5. Revegetation problem areas.
Mine sites Rainbow 2,3, and 4 poisoned in May and seeded during November; 2.5 acres.

6. Existence and location of unsuitable (toxic) overburden.

None

RECLAMATION:

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between:

1. Backfilled, graded and contoured areas.

<u>Area</u>	<u>Acreage</u>
Along Bonanza vein east of office	15 acres (pre 1975)

2. Topsoiled areas.

<u>Area</u>	<u>Acreage</u>
None	

3. Seeded areas.

<u>Area</u>	<u>Acreage</u>
Bonanza vein	15 acres
Adjacent to Processing Plant	4 acres
Adjacent to Solar Pad	.5 acre
Two drill sites along the Little Emma vein	2 acres

4. Reseeded areas (areas previously seeded, then seeded again).

<u>Area</u>	<u>Acreage</u>
	1 acre
Old drill site north of Little Bonanza (See attached reclamation map).	

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map:

<u>Year</u>	<u>Acreage</u>
1975	0
1976	0
1977	0
1978	0
1979	0
1980	0
1981	0
1982	0
1983	29
1984	17.5
1985	25

(c) Description of the reclamation procedures used during the report period, including:

1. Average depth of topsoil applied.

No topsoil applied.

2. Type of seed (species) used for seeding during the report period.

See Mine Plan attachment.

3. Date of seeding during the report period.

Spring None

Fall November 1, 1985 - November 20, 1985

4. Seeding procedures used.

(Hand broadcast or drilled or any other).

Drilled

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)

12 - 18 pounds per acre (pls)

6. Type and rate of fertilizer applied.

0 - 50 - 0 50 lbs/acre

7. Type and rate of mulch applied.

Native hay 2,000 lbs/acre

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).

None

9. Revegetation test plot information.

(Cover, density, productivity, etc.)

None

10. Soil analysis results.

None

(a) Description of results of previous revegetation efforts, including:
(This should be done as applicable.)

1. Types (species) of seed that have germinated and are growing.

Evaluation of plots to be done in 1986.

2. Types (species) of seed that are not growing successfully.

See item #1

3. Areas experiencing problems with weeds and weed types.

See item #1

4. Significant erosional problems.

See item #1

5. Areas of unsuitable overburden on the surface as related to revegetation failure.

See item #1

6. Procedures used or proposed to correct these problems.

See item #1

7. Acreage and dates of release (upon inspection by the State) of revegetated areas.

Area

Date

Acreage

None

8. Results of soil analysis.

None

(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis.

	<u>Acres</u>	<u>Cost/Acre</u>
1. Grading	0	
2. Backfilling	0	
3. Contouring	0	
4. Topsoil Replacement	0	
5. Seeding		
A. Seedbed Preparation		
B. Mulch	25.0	180.00
C. Fertilizer	25.0	45.00
D. Seed	25.0	150.00
6. Other		

BOND INFORMATION:

- A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	<u>Amount</u>	<u>Type</u>	<u>Date Posted</u>
Present Bond	\$500,000	Reclamation	

Increased disturbance, if any: NONE

Increased Bond Amount (attached reclamation estimate).

B. Bond release.

<u>Acres</u>	<u>Bond Amount Released</u>	<u>Date</u>
N/A	-	

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

- (a) Permit stipulations (status).
- (b) Other special conditions (status).

LOCATION OF OPERATIONS: Lands are held within Uintah and
Duchesne Counties in Utah within
the following Sections:

T	8	S	R	17	E	Section 32
T	9	S	R	17	E	Sections 5, 4
T	2	S	R	2	E	Sections 18, 19, 20
T	8	S	R	24	E	Section 32
T	9	S	R	23	E	Sections 1, 10, 12, 15, 25
T	9	S	R	24	E	Sections 1, 2, 3, 7, 12, 15, 16, 17, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36
T	9	S	R	25	E	Sections 7, 8, 24, 16, 17, 21, 22, 23, 29, 30, 31, 32, 33
T	10	S	R	22	E	Section 24
T	10	S	R	23	E	Sections 28, 30, 32, 34
T	20	S	R	24	E	Sections 1, 2, 3
T	10	S	R	25	E	Section 6
T	11	S	R	23	E	Sections 1, 2, 12
T	11	S	R	24	E	Sections 4, 5, 6, 7, 8, 9, 14, 15, 16, 17, 20, 22, 23, 24, 25, 26, 30, 32
T	11	S	R	24	E	Sections 20, 21, 30, 32
T	12	S	R	24	E	Section 4
T	12	S	R	25	E	Sections 4, 5, 9, 10, 11, 12, 13, 14, 15, 24

SEED MIX BEING USED ON STUDY AREA AND

MINE SITES

Fall 1983

COMMON NAME	BOTONICAL NAME	RATE/ACRE PLS	
		DRILLED	BROADCAST
Western Wheatgrass	<u>Agropyron smithii</u>	3.0	4.5
Bluebunch Wheatgrass	<u>Agropyron spicatum</u>	1.0	1.5
Russian Wildrye	<u>Elymus junceus</u>	2.0	3.0
Indianricegrass	<u>Oryzopsis hymenoides</u>	2.0	3.0
Yellow Sweet Clover	<u>Melilotus officinalis</u>	0.5	0.75
Nomad Alfalfa	<u>Medicago sativa</u>	0.5	0.75
Cicer Milkvetch	<u>Astragalus cicer</u>	1.0	1.5
Winterfat	<u>Ceratoides lanata</u>	1.0	1.5
Sagebrush	<u>Ademsia tridentata</u>	0.5	0.75
Rabbitbrush	<u>Chrysothamnus nauseosus</u>	0.5	0.75

APPENDIX I

ANNUAL REPORT MAPS

1. Maps must be clear and legible contour maps or recent aerial photos. The scale should be 1 inch = 500 feet to adequately show topographic features.
2. Map sheets should be of a reasonable size, not to exceed 48 inches on a side.
3. Maps must have a title block with:
 - A. Map title.
 - B. Name and address of permittee.
 - C. Permit and amendment numbers.
 - D. Annual report period.
 - E. Scale, north arrow, contour interval, date of photography, etc.
4. All maps must show:
 - A. Legal subdivisions.
 - B. Permit area boundary clearly shown and labelled.
 - C. Amendment areas clearly shown and labelled.
 - D. Contour features.
5. The following features should all be clearly identified:
 - A. Topsoil stockpiles (numbered and with volumes).
 - B. Settling ponds and sediment control structures.
 - C. Haul roads.
 - D. Pits identified by location, name, number, etc.
 - E. Ramps (numbered).
 - F. Out-of-pit spoil dumps.
 - G. All waste disposal sites including, but not limited to:
 1. Landfill sites.
 2. Carbonaceous waste dumps.
 - H. Diversion ditches.
 - I. Monitoring sites.
6. All areas to be affected by mining and reclamation in the coming year should be outlined and labelled.